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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mitalipova, et al.

Serial No.

10/539,951

Filed:

June 17, 2005

For:

Compositions and Methods for Neural Cell

Production and Stabilization

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Serial No. 10/539,951
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Respectfully submitted,

Elizabeth Cary Miller

Reg. No. 54,708

Date: August 23, 2005

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Attorney Docket No.: 18377-0061

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INFO	DRMATION D	ISCLOS	SURF	Filing Date	June 17, 2005	
STATEMENT BY APPLICANT (Use as many sheets as necessary)				First Named Inventor	Mitalipova, et al.	
				Art Unit	1649	
				Examiner Name	Hayes	
Sheet	1	of	2	Attomey Docket Number	18377-0061	

			U. S. PATENT DOC				
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Column		
		Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
/R.H./		US-5,453,357	09-26-1995	Hogan			
1		US-5,589,376	12-31-1996	Anderson et al.			
		US-5,753,506	05-19-1998	Johe			
		US-5,766,948	06-16-1998	Gage et al.			
		US-5,843,780	12-01-1998	Thomson			
		US-5,851,832	12-22-1998	Weiss et al.			
	1	US-5,958,767	09-28-1999	Snyder et al.			
		US-5,968,829	10-19-1999	Carpenter			
		US-6,200,806 B1	03-13-2001	Thomson			
		US-6,562,619 B1	05-13-2003	Gearhart et al.			
1/		US-2002/0146678 A1	10-10-2002	Benvenisty			
-V-		US-2003/0008392 A1	01-09-2003	Thomson			
		US-					
		US-					
	1	 	DREIGN PATENT D	OCUMENTS			
Examiner	Cite No.1	Patent Document Number	Publication Date	Name of Patentee or	Pages, Columns,		
Initials*	Cité No.	Country Code ³ Number ⁴ Kind Code ² (If known)	MM-DD-YYYY	Applicant of Cited Document	Lines, Where Relevant Passages Or Relevant Figures Appear	T [©]	
/R.H./		WO 00/27995	05-18-2000	Monash University			
		WO 01/51611	07-19-2001	BresaGen Limited			
		WO 97/32033	09-04-1997	Vanderbilt University		Abstrac	
		WO 98/43679	10-08-1998	The Johns Hopkins University School of Medicine			
		WO 99/32606	07-01-1999	Brustle		Abstrac	
\/		WO 99/53021	10-21-1999	BresaGen Limited			
V		DE 197 56 864 C1	12-19-1997	Vossius et al.		Abstrac	
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				Application Number	10/539,951		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	June 17, 2005		
				First Named Inventor	Mitalipova, et al.		
				Art Unit			
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Sheet	2	of	2	Attorney Docket Number	18377-0061		

NON PATENT LITERATURE DOCUMENTS

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Examiner Ci Initials* No	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc) date, page(s), volume-issue number(s), publisher, city and/or country where published.								
/R.H./	BAIN, et al., (1995), "Embryonic Stem Cells Express	Neuronal Properties in vitro," Dev.	Biology 168:342-357.						
	BRUSTLE, et al., (1997), "In Vitro-Generated Neural Proc. Natl. Acad. Sci. USA 94:14809-14814.		,	T					
	CARPENTER, et al., (2001), "Enrichment of Neuron Neuro. 172:383-397.			Γ					
	FRAICHARD, et al., (1995), "In Vitro Differentiation of Cell Sci. 108:3181-3188.	•	•	Γ					
	GOLDMAN, National Institute of Health Symposium, Embyronic Stem Cells, June 12, 2003, abstract avai 30, 2003.	lable at stemcells.nih.gov/news/sym	posiumspeakers.asp#7 as of July	Γ					
	HENDERSON, et al., (2002), "Preimplantation Huma Expression of Stage-Specific Embryonic Antigens",	Stem Cells 20:329-337.	•						
	KAWASAKI, et al., (2000), "Induction of Midbrain Dopaminergic Neurons from ES Cells by Stromal Cell-Derived Inducing Activity", Neuron 28:31-40.								
	KAWASAKI, et al., (2002), "Generation of Dopaminergic Neurons and Pigmented Epithelia from Primate ES Cells by Stromal Cell-Derived Inducing Activity", Proc. Natl. Acad. Sci. USA 99(3):1580-1585.								
	KIM, et al., (2002), "Dopamine Neurons Derived fror Disease", Nature 418:50-56.								
	68:1727-1735.								
	LI, et al., (1998), "Generation of Purified Neural Precursors from Embryonic Stem Cells by Lineage Selection", Current Biol. 8:971-974.								
	OKABE, (1996), "Development of Neuronal Precursor Cells and Functional Postmitotic Neurons from Embryonic Stem Cells in Vitro", Mech. Dev. Biol. 59:89-102.								
	O'SHEA, (2002), "Neural Differentiation of Embyronic Stem Cells", Meth. In Mol. Biol. 198:3-14.								
	RENONCOURT, et al., (1998), "Neurons Derived in Vitro from ES Cells Express Homeoproteins Characteristic of Motoneurons and Interneurons", Mech. Dev. 79:185-197.								
	REUBINOFF, et al., (2001), "Neural Progenitors from Human Embryonic Stem Cells", Nature Biotech 19(12):1134-1140.								
	SASAI, (2002), "Generation of Dopaminergic Neurons from Embryonic Stem Cells", J. Neurol 249(2):1141-1144.								
	SCHULDINER, et al. (2001), "Induced Neuronal Differentiation of Human Embryonic Stem Cells", Brian Res. 913-201-205.								
	STRUBING, et al., (1995), "Differentiation of Pluripotent Embryonic Stem Cells into the Neuronal Lineage in Vitro Gives Rise to Mature Inhibitory and Excitatory Neurons", Mech. Dev. 53:275-287.								
	TROPEPE, et al., (2001), "Direct Neural Fate Specification from Embryonic Stem Cells: A Primitive Mammalian Neural Stem Cell Stage Acquired through a Default Mechanism", Neuron, 30:65-78.								
	YING, et al. (2003). "Conversion of Embryonic Stem Cells into Neuroectodermal Precursors in Adherent Monoculture", Nat. Biotech. 1-4. ZHANG, et al. (2001). "In Vitro Differentiation of Transplantable Neural Precursors from Human Embryonic Stem Cells", Nature Biotech. 18(12):1129-1133.								
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xaminer ignature	/Robert Haves/	Date Considered	07/08/2008	_					

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